

FIG. 1A
(PRIOR ART)

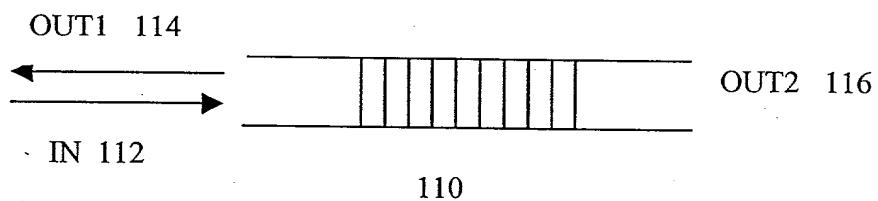


FIG. 1B
(PRIOR ART)

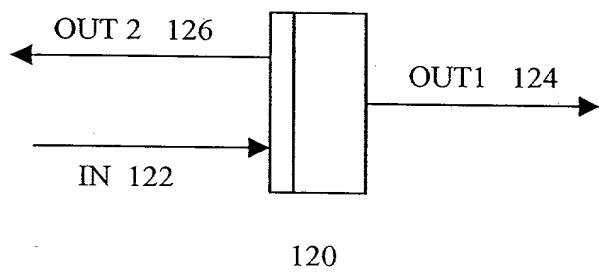


FIG. 1C
(PRIOR ART)

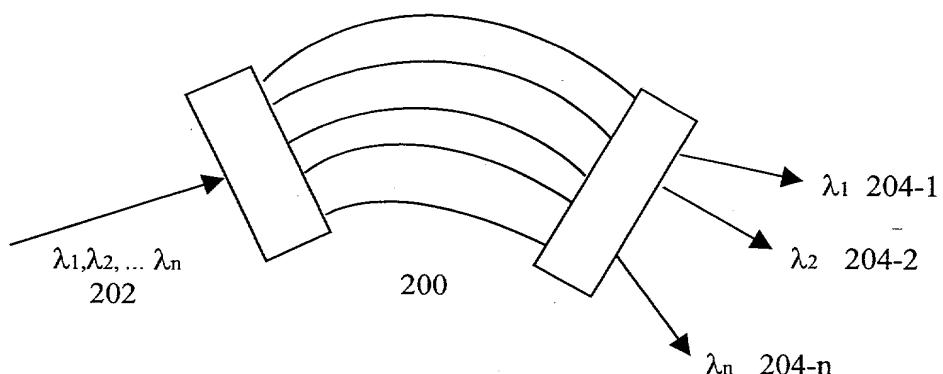


FIG. 2A
(PRIOR ART)

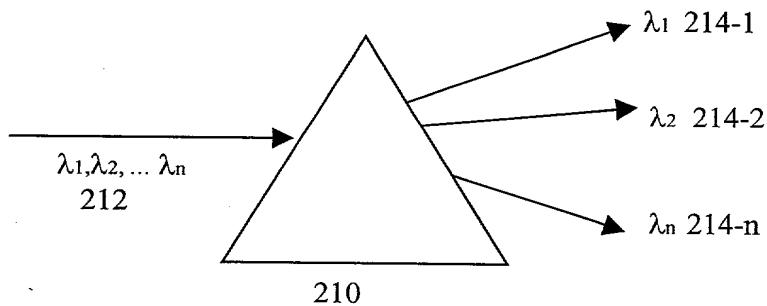


FIG. 2B
(PRIOR ART)

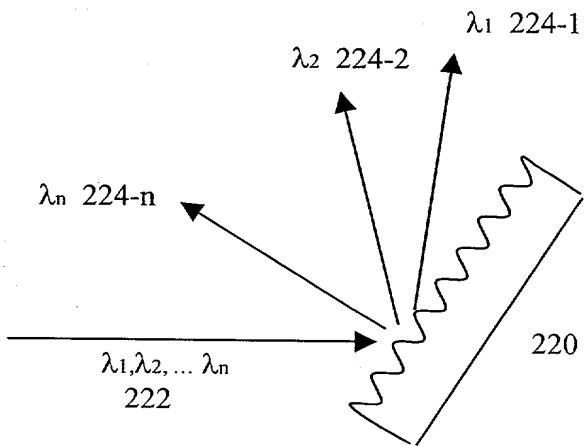


FIG. 2C
(PRIOR ART)

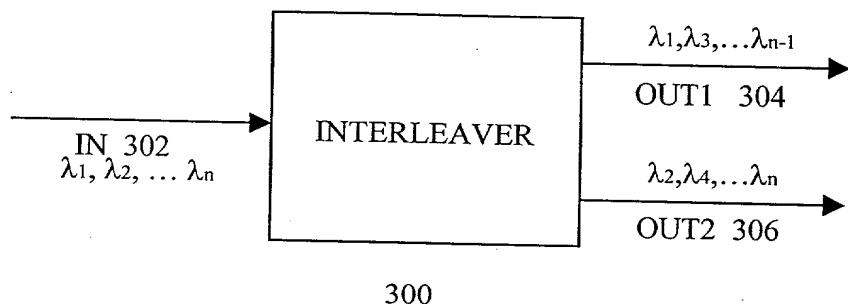


FIG. 3A
(PRIOR ART)

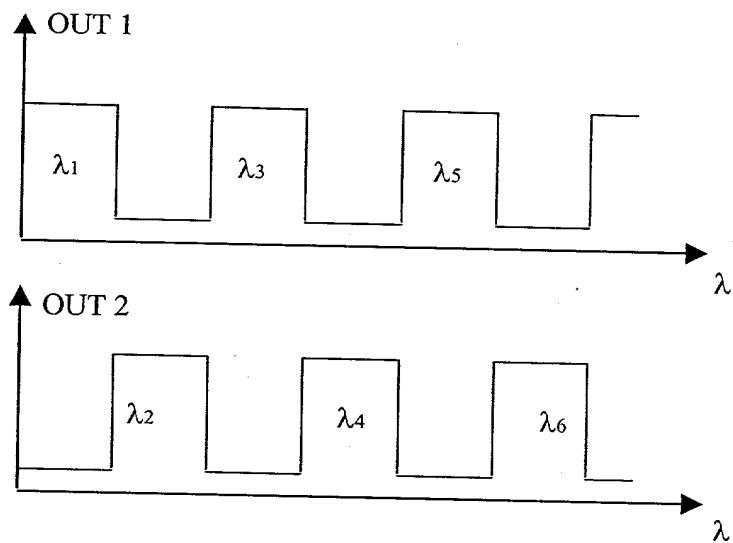


FIG. 3B
(PRIOR ART)

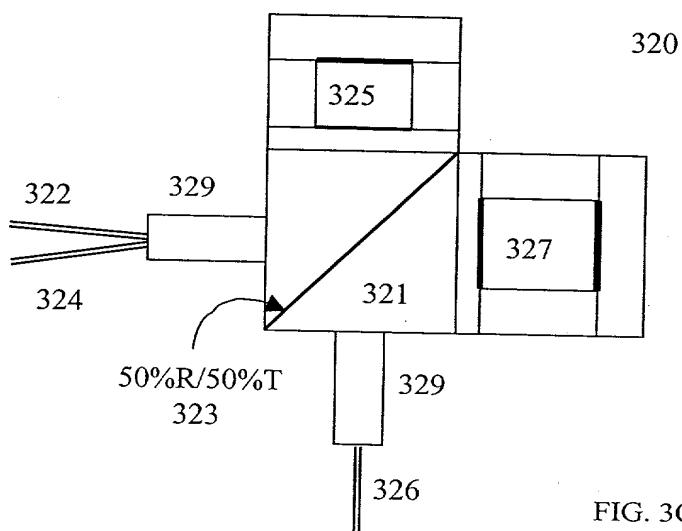


FIG. 3C
(PRIOR ART)

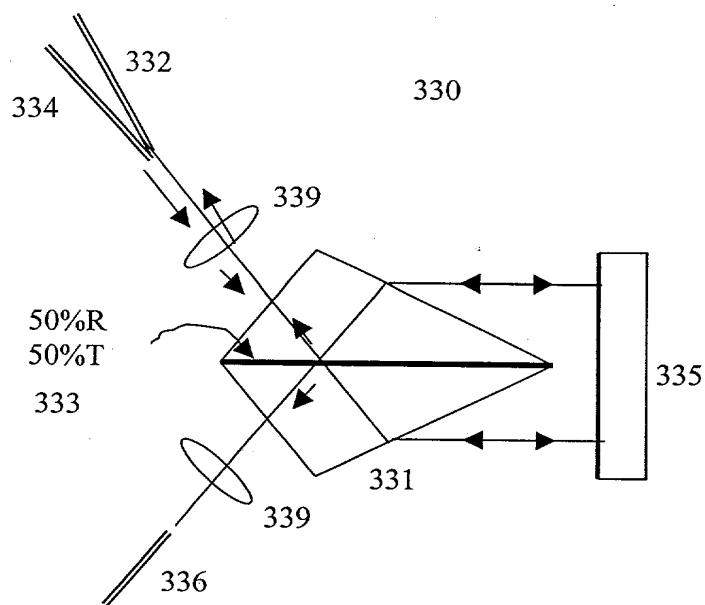


FIG. 3D
(PRIOR ART)

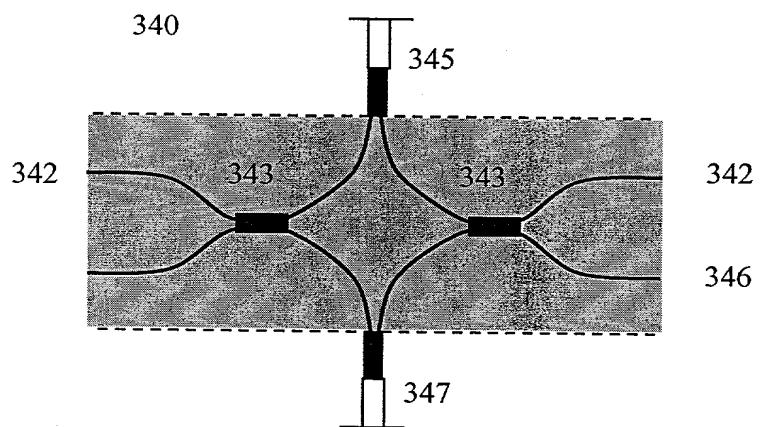


FIG. 3E
(PRIOR ART)

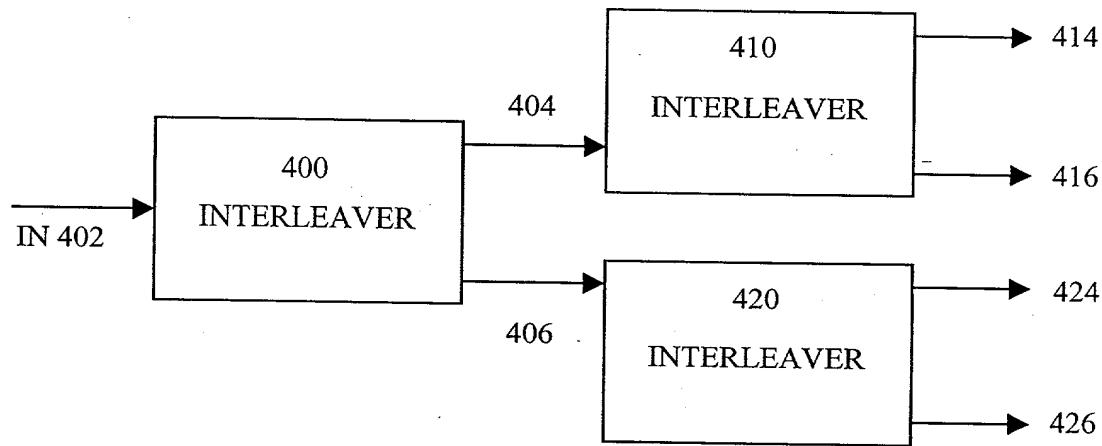


FIG. 4A
(PRIOR ART)

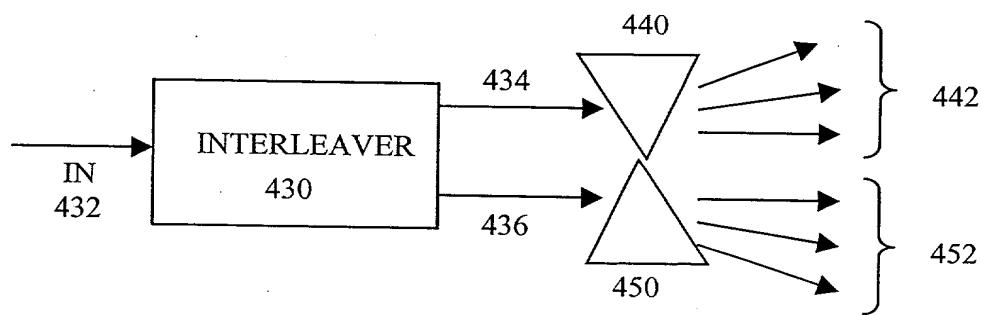


FIG. 4B
(PRIOR ART)

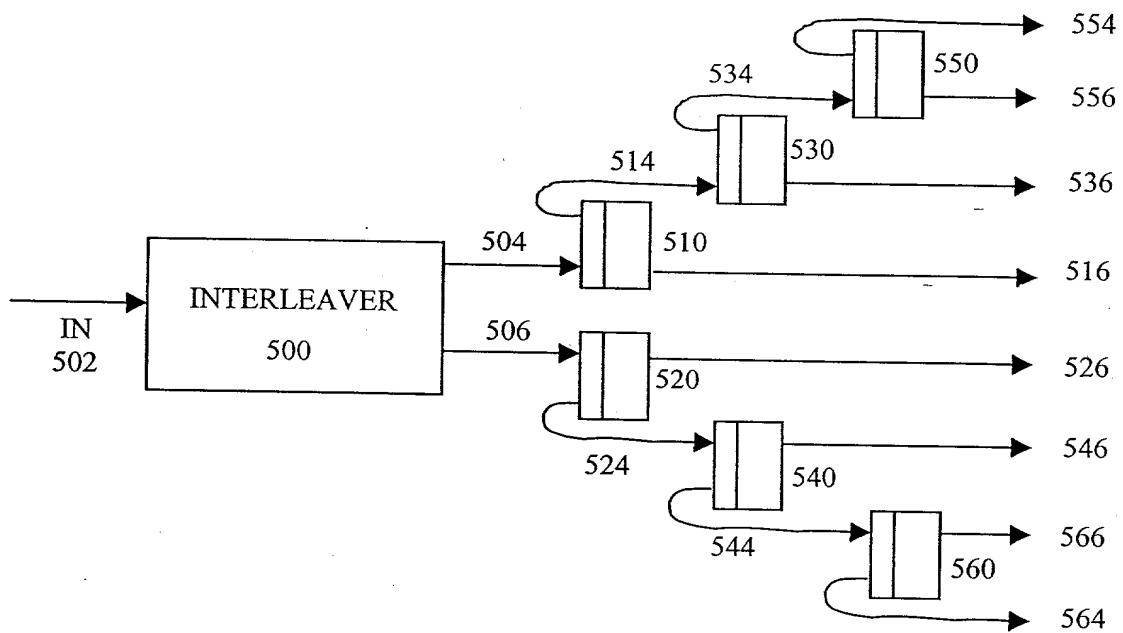


FIG. 5
(PRIOR ART)

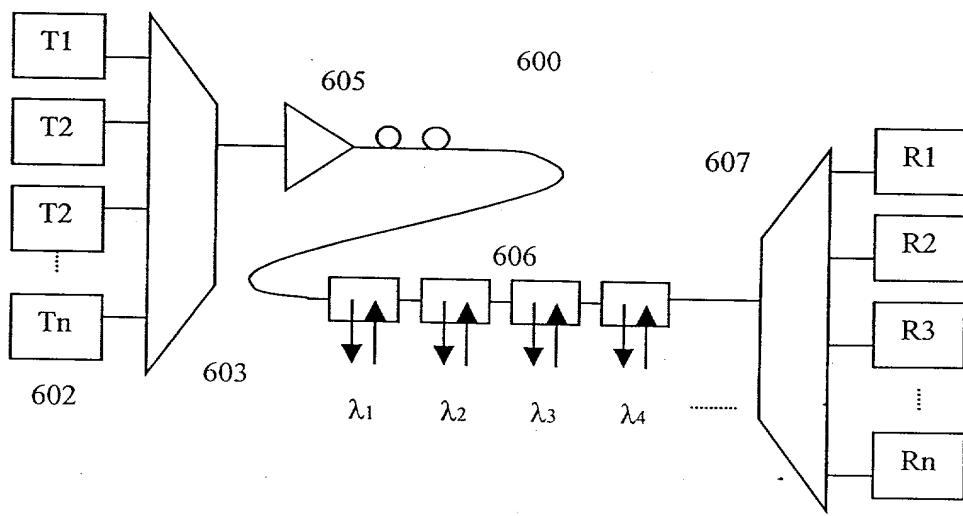


FIG. 6A
(PRIOR ART)

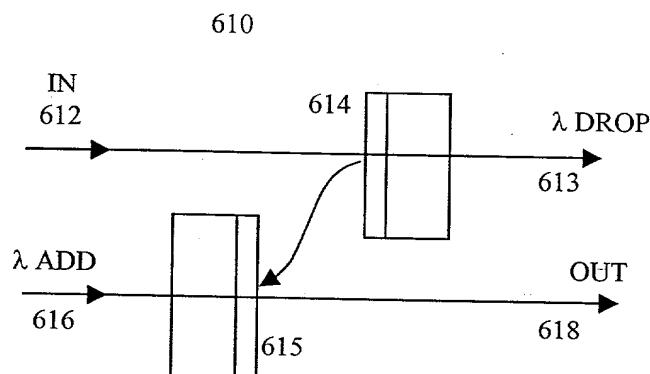


FIG. 6B
 (PRIOR ART)

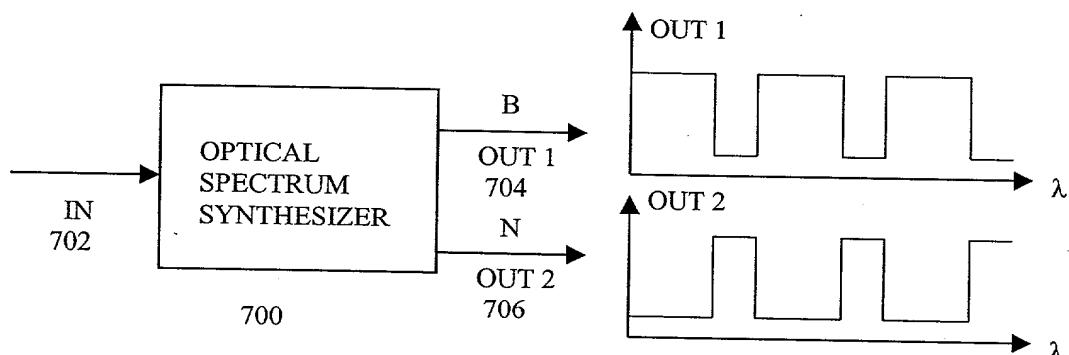


FIG. 7A

FIG. 7B

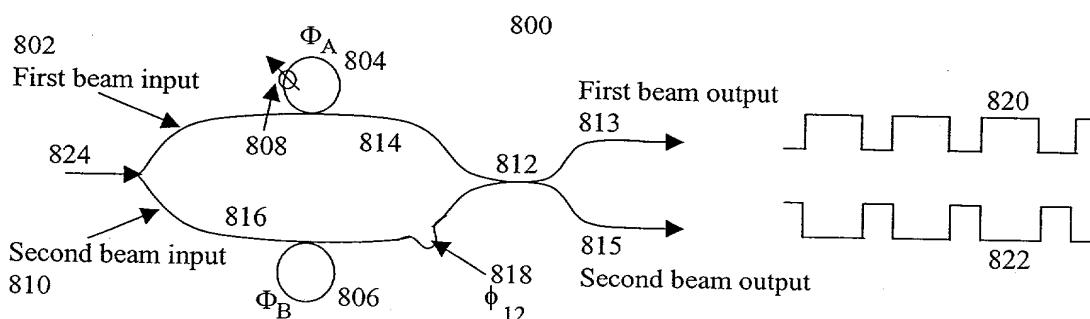


Fig. 8A

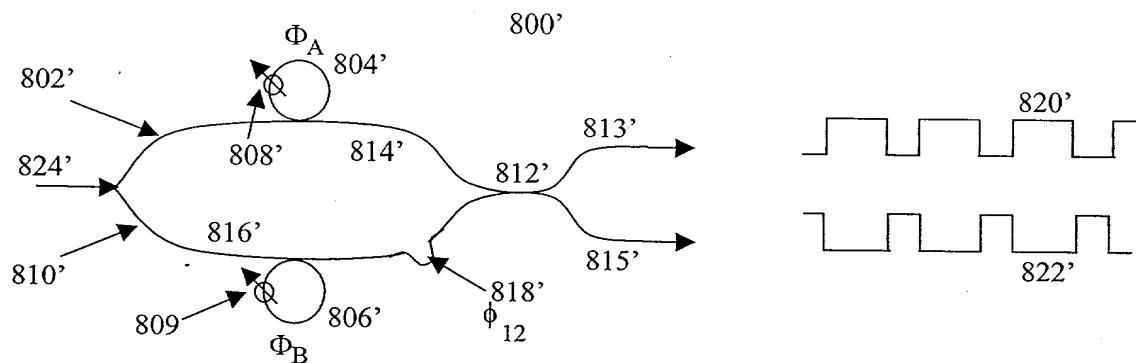


Fig. 8B

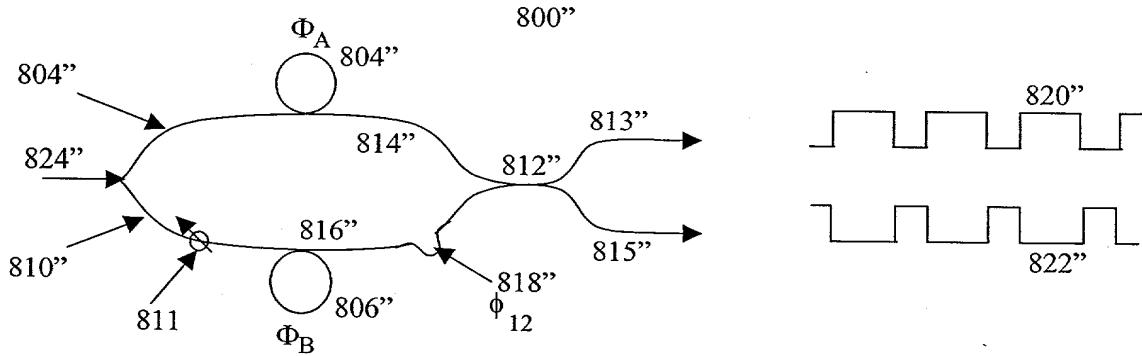


Fig. 8C

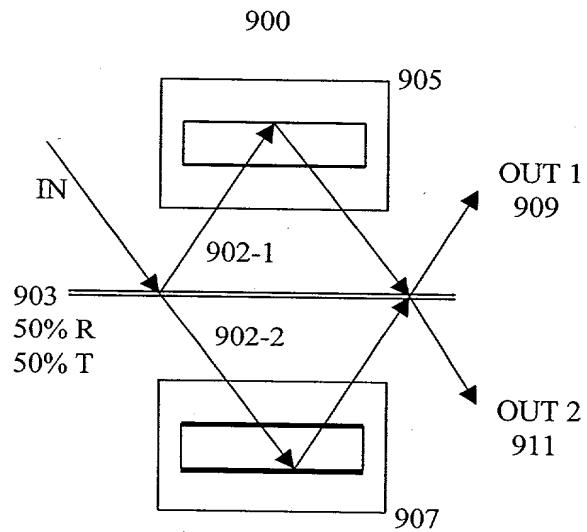


FIG. 9A

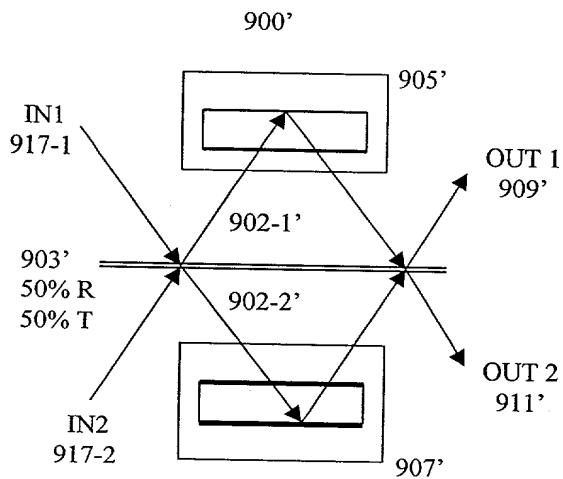


FIG. 9B

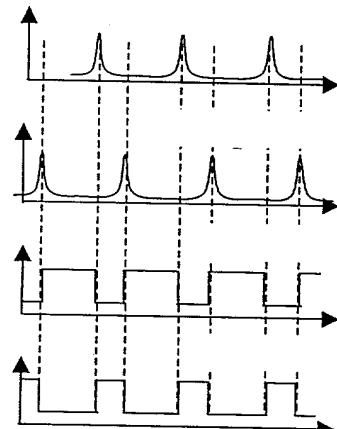


FIG. 9C

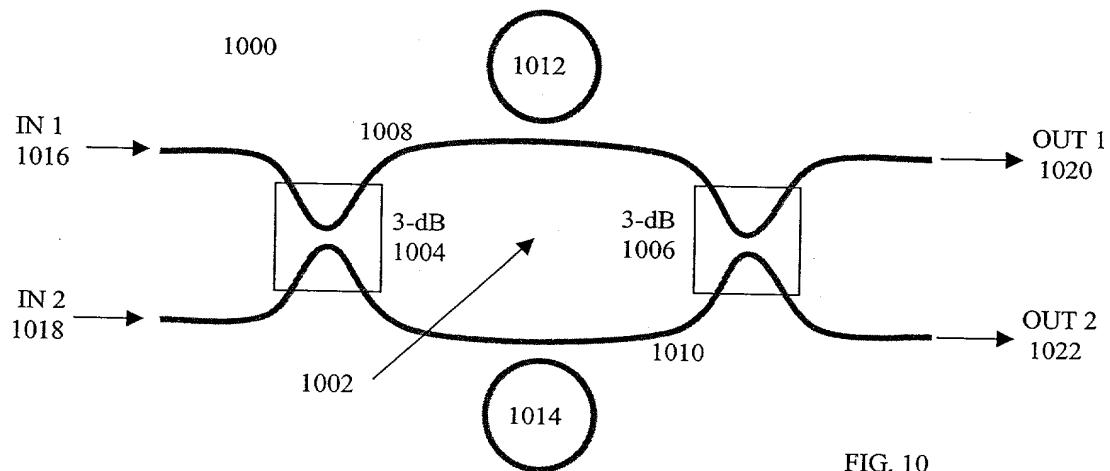
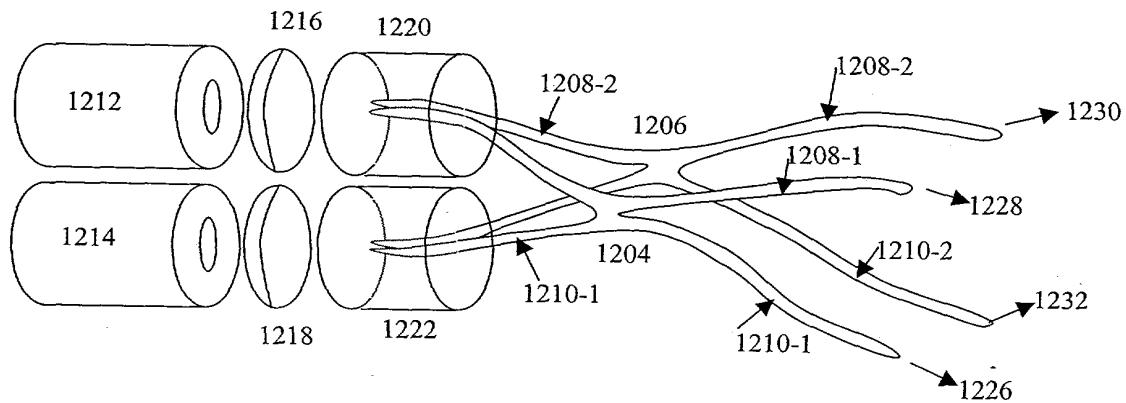
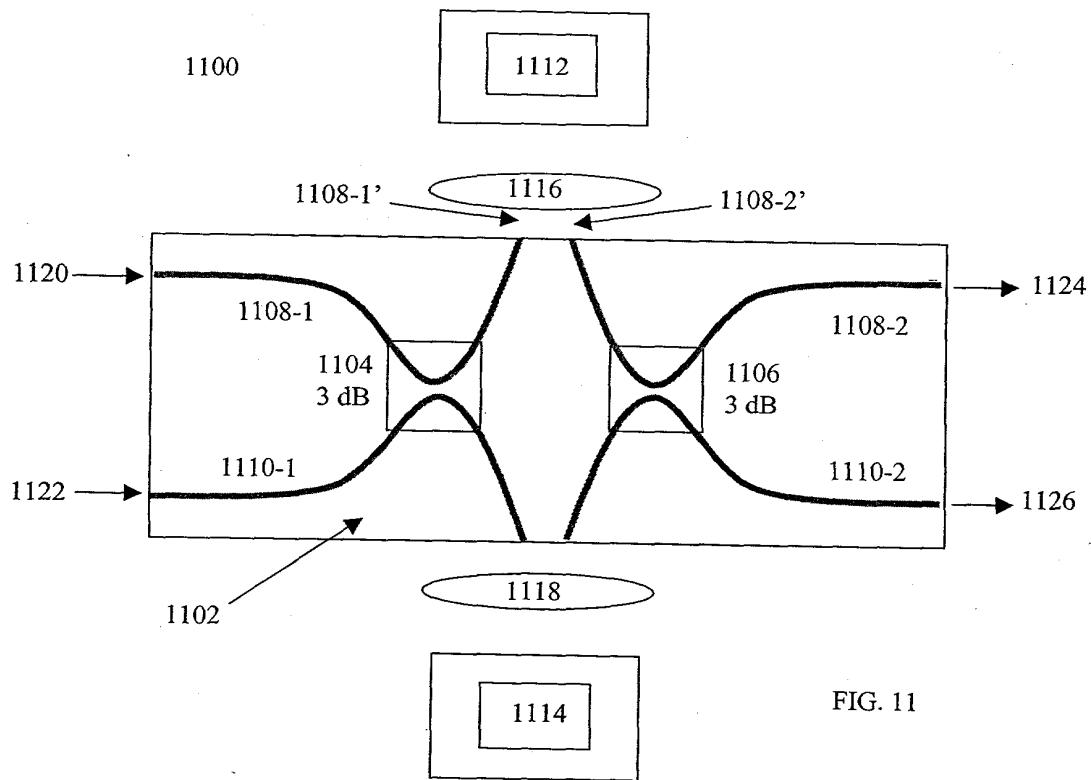


FIG. 10



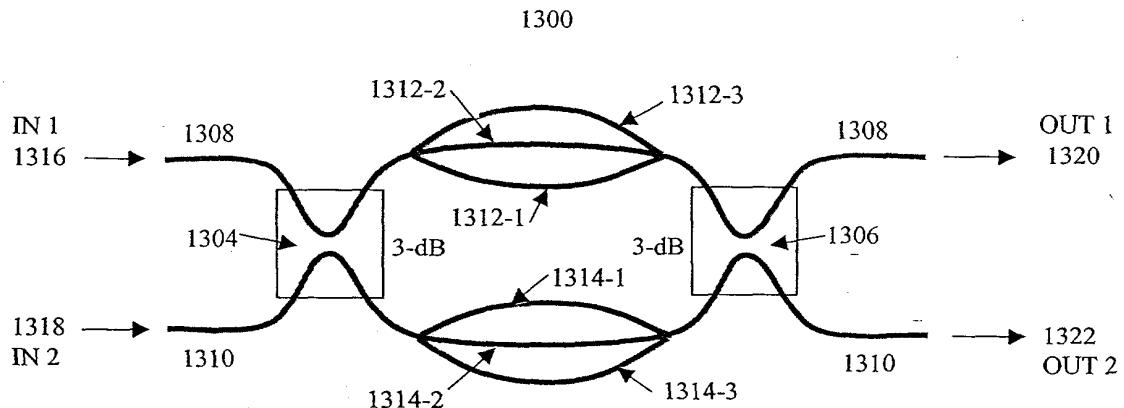
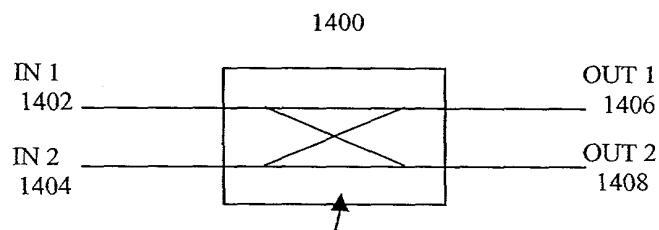
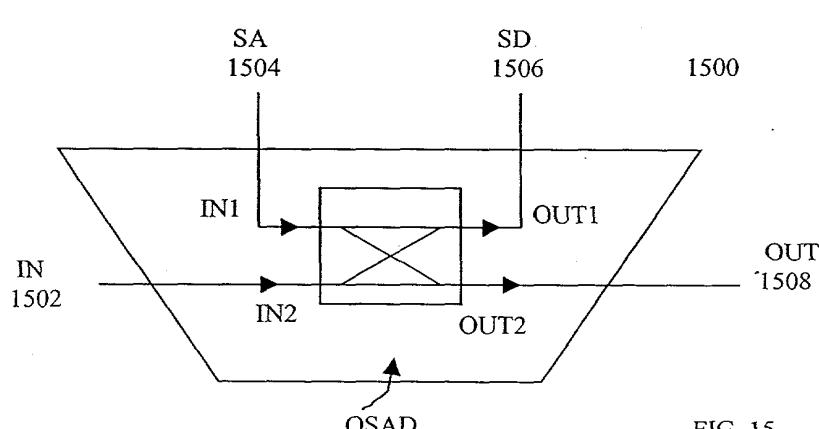


FIG. 13



SPECTRUM EXCHANGER



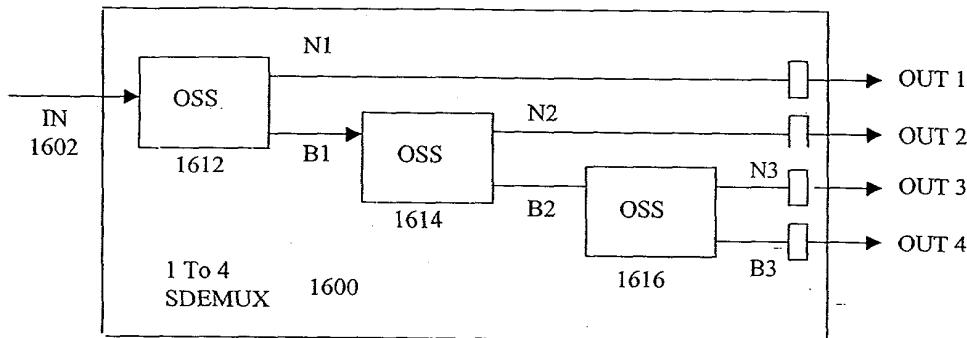


FIG. 16A

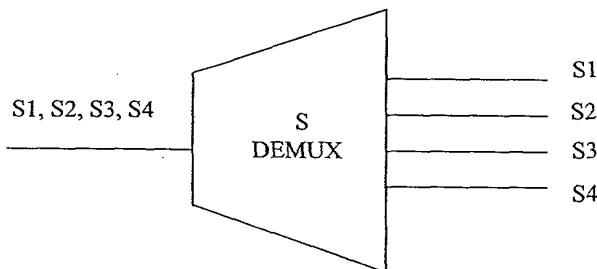


FIG. 16B

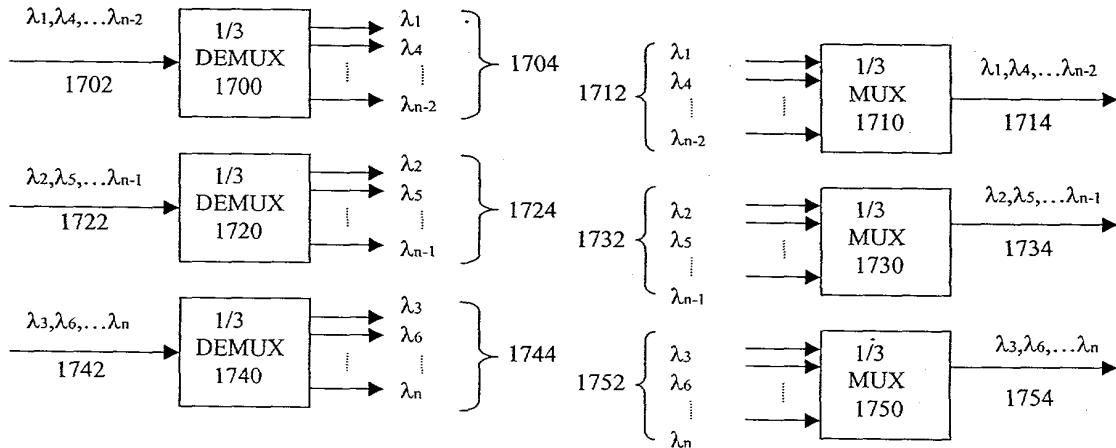


FIG. 17A

FIG. 17B

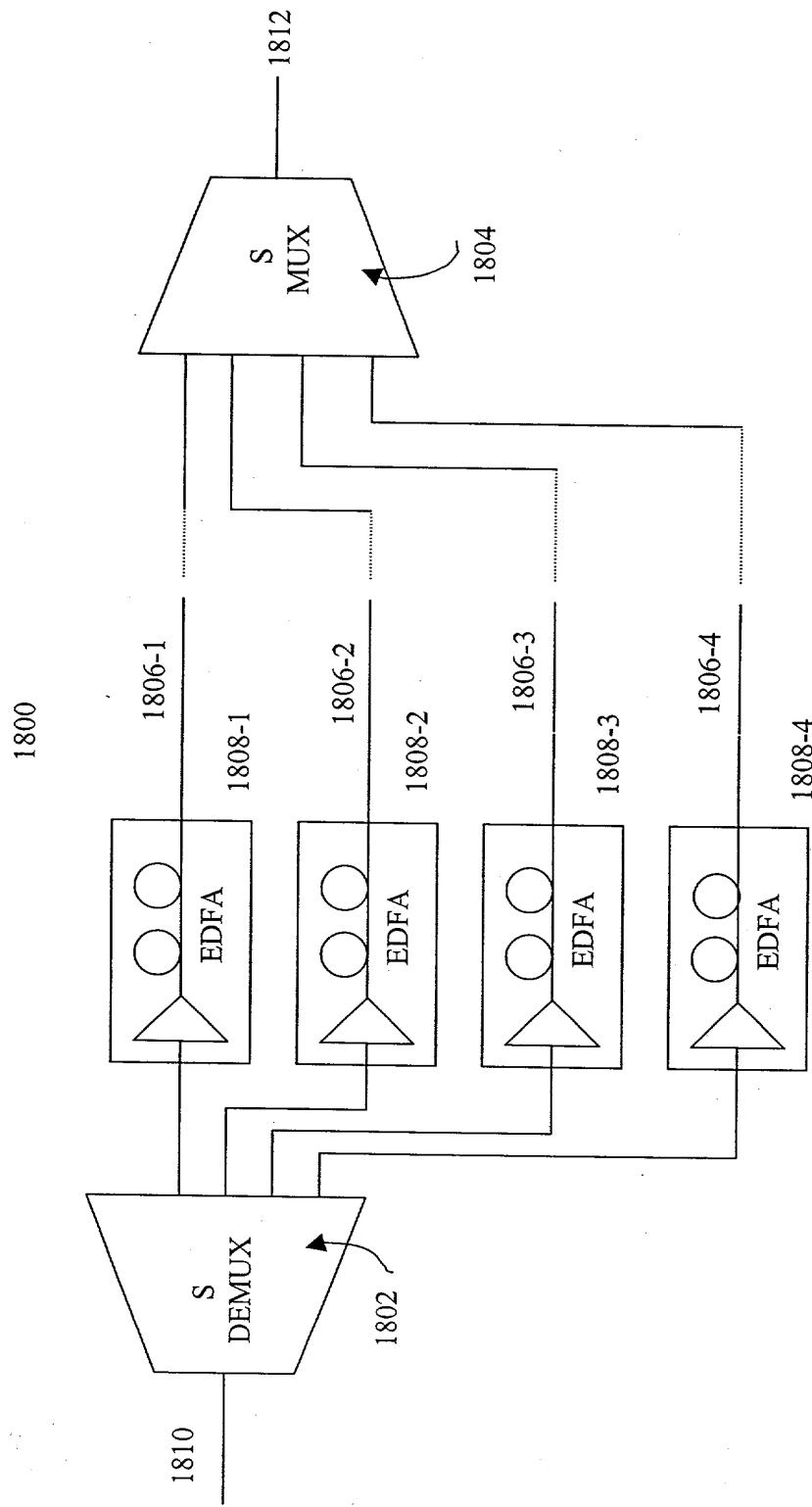


FIG. 18

SPECTRUM ADD-DROP MODUALE 1900

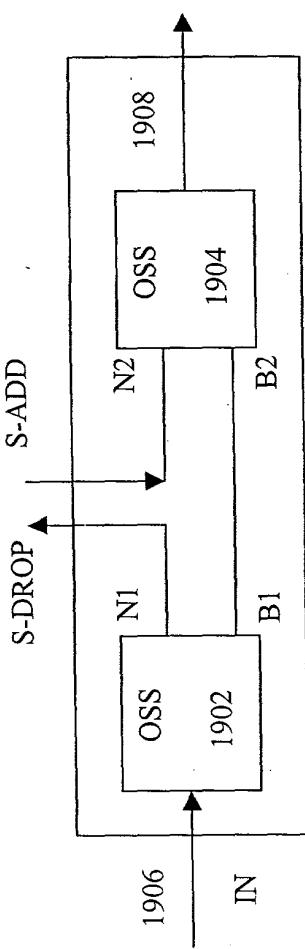


FIG. 19A

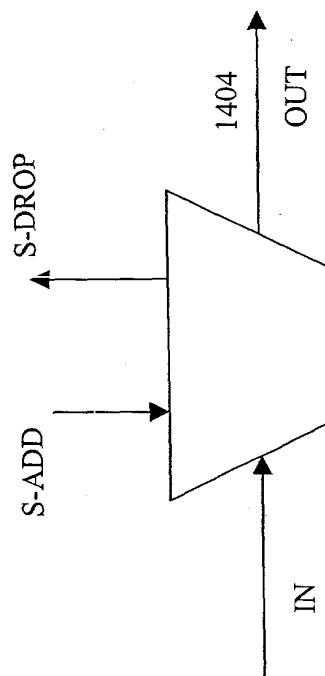


FIG. 19B

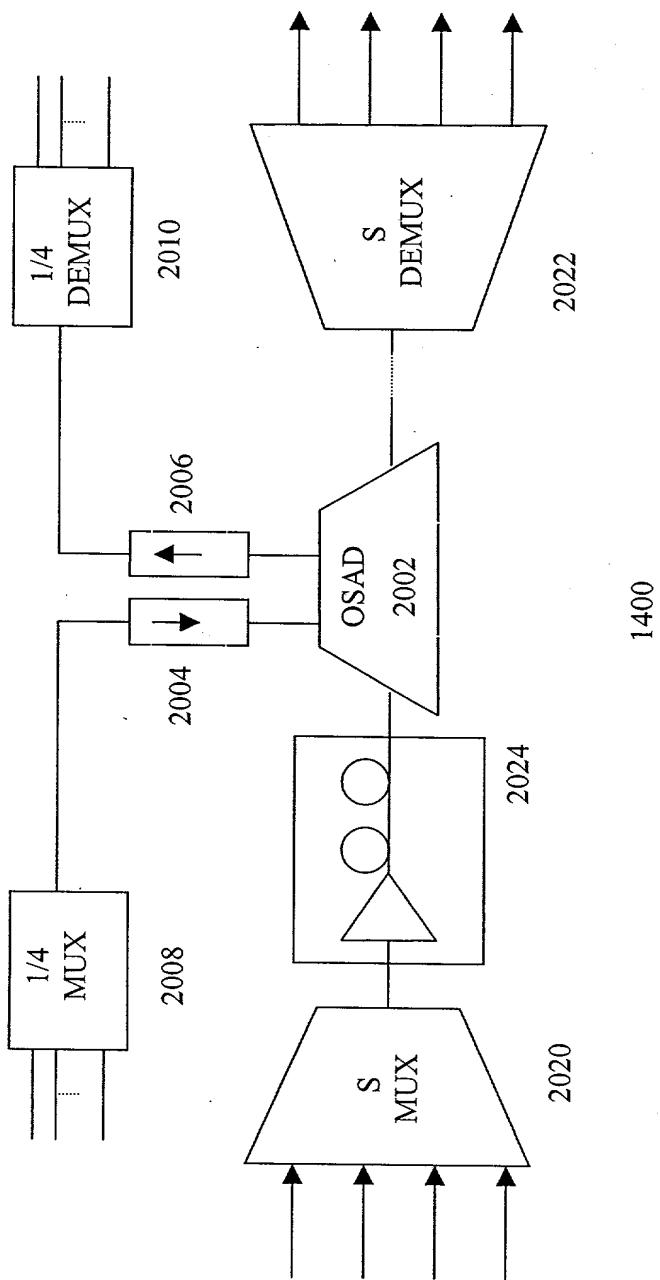


FIG. 20

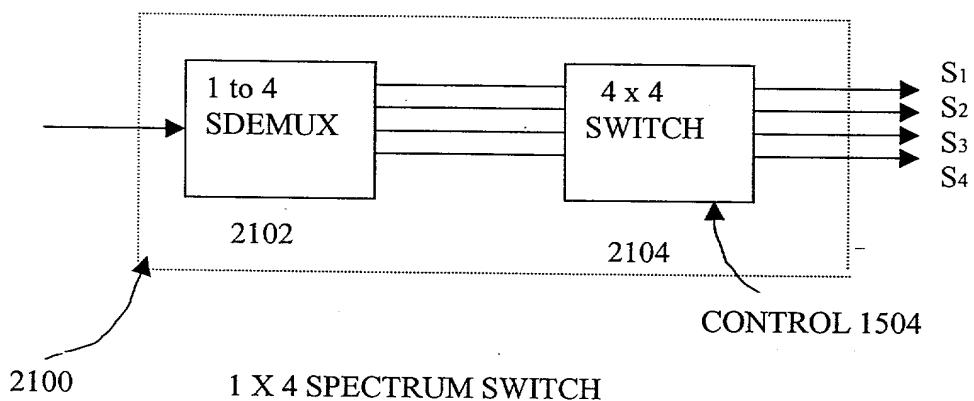


FIG. 21A

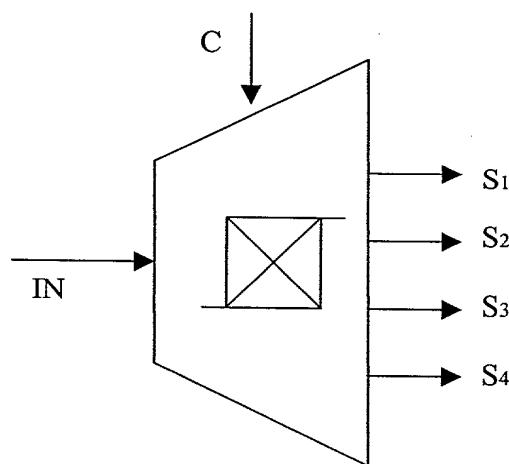
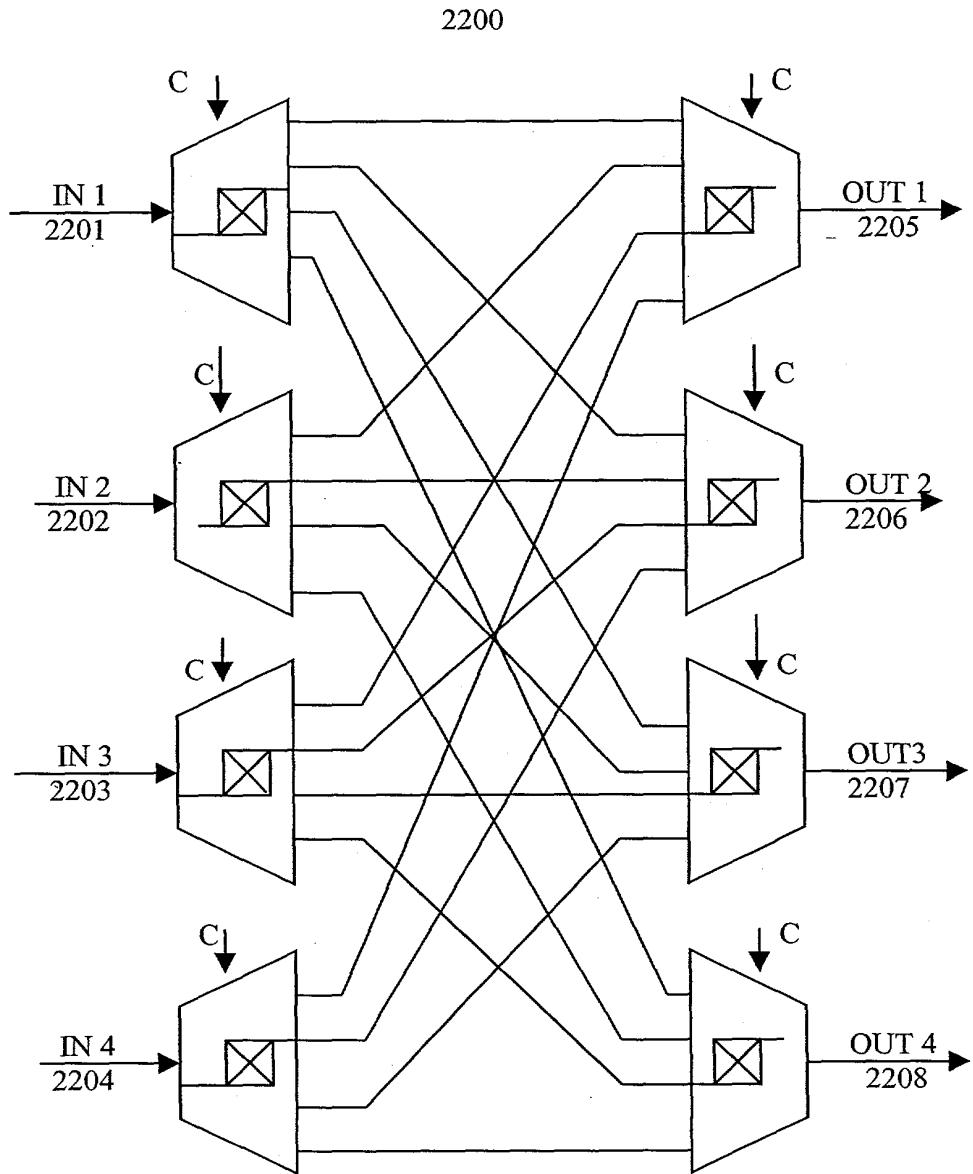


FIG. 21B



4x4x4 SPECTRUM CROSS-CONNECT

FIG. 22

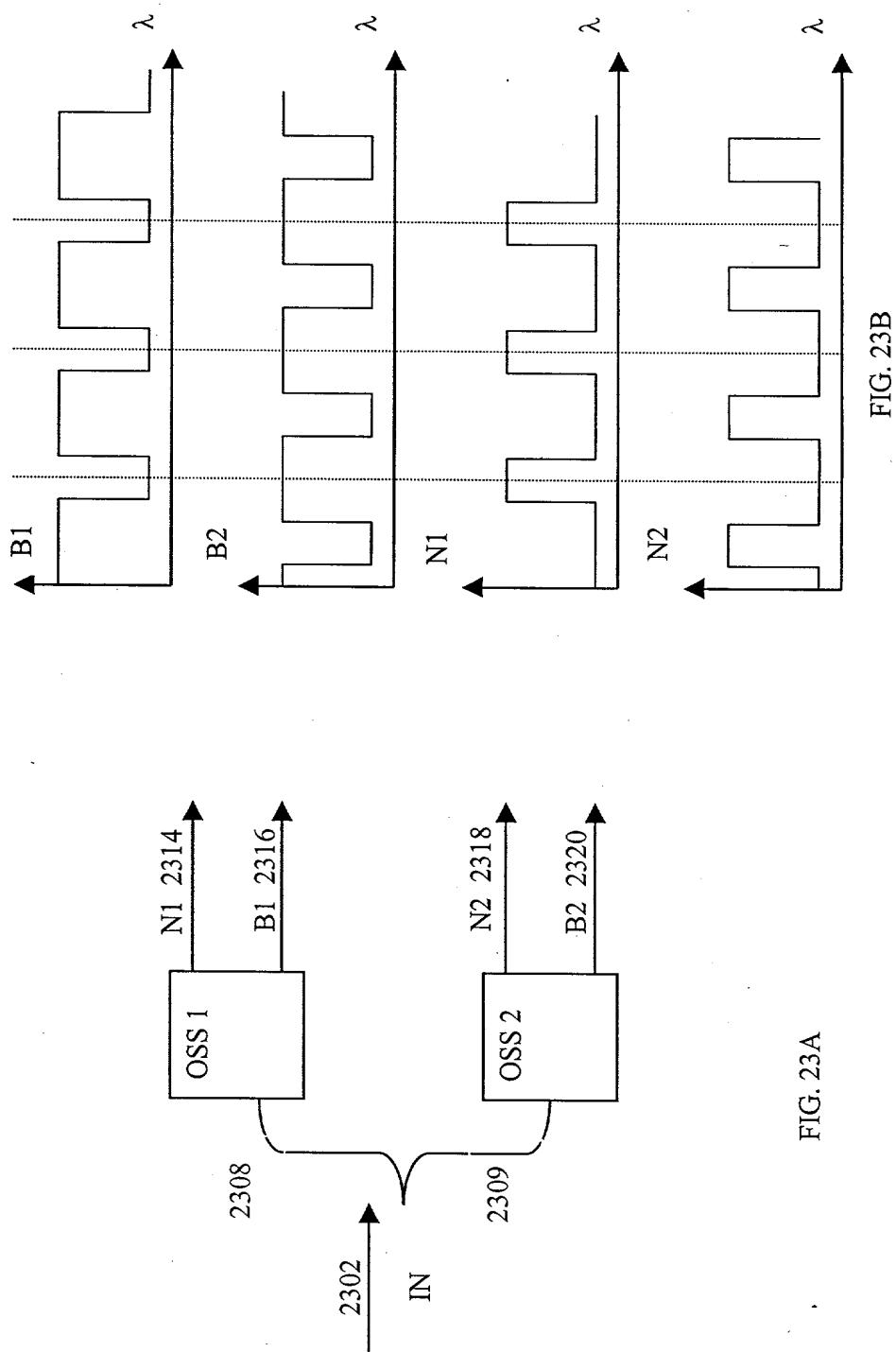


FIG. 23A

FIG. 23B

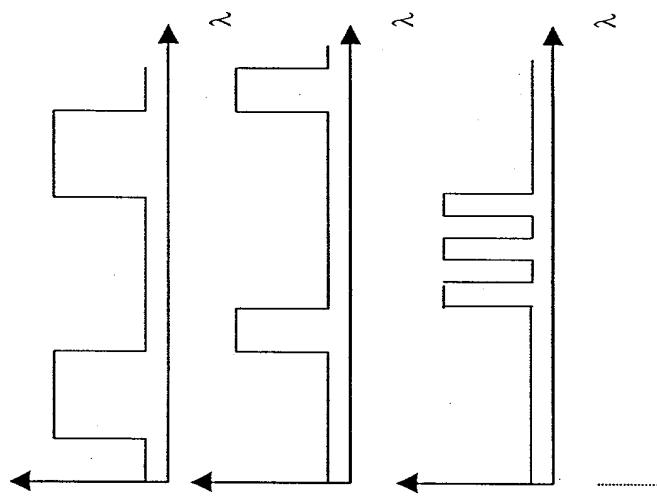


FIG. 24B

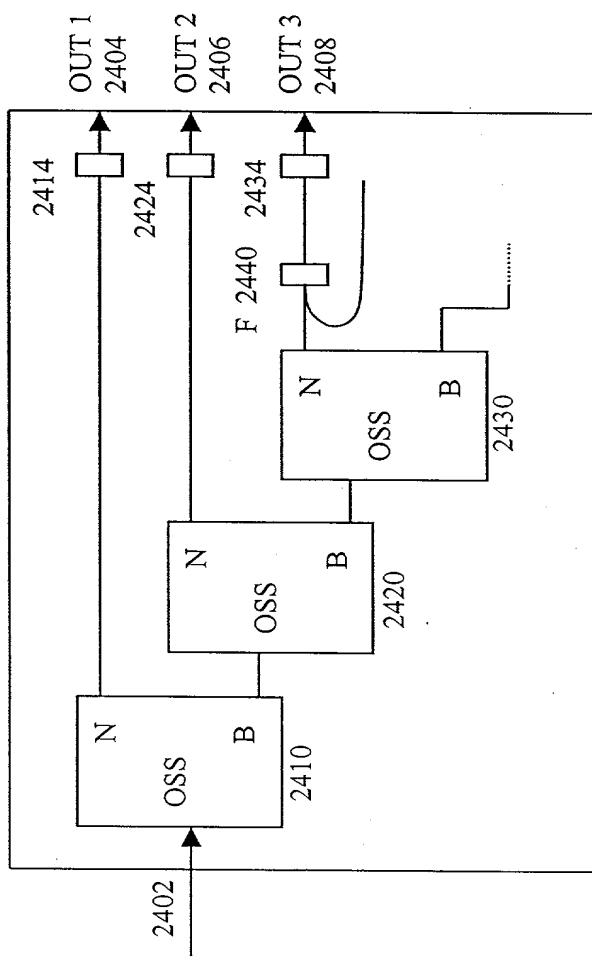


FIG. 24A